



Report to the Auburn City Council

Action Item

Agenda Item No. **2**

City Manager's Approval *[Signature]*

To: Mayor and City Council Members
From: Jack Warren, Director of Public Works/City Engineer
By: Bernie Schroeder, Engineering Division Manager *[Signature]*
Date: March 23, 2008
Subject: Diesel Smog Retrofit – Sewer System Maintenance Equipment

The Issue

Shall the City continue its effort to maintain compliance with the new diesel emission regulations by retrofitting the sanitary sewer collection system cleaning equipment?

Conclusions and Recommendation

Staff recommends that City Council, by **RESOLUTION**, authorize the purchase of a replacement front and rear auxiliary engine and particle trap for the 1997 sewer vactor vehicle.

Background

The City operates all of its diesel burning engines under permit by the Placer County State Air Resources Control Board. In order to remain in compliance with the State Air Resources Control Board the City is required to implement a retrofit program for our fleet that will meet the December 31, 2009 date for diesel equipment to be changed to cleaner burning engines. A copy of the City's Fleet Compliance Schedule is also attached for the Council's reference. The other option is that any equipment not meeting these regulations must be taken out of service. There were a total of three phases to the retrofit project for the PW#72-1997 Vactor. The first one was repowering of the front auxiliary engine. The second phase is repowering the rear auxiliary engine and the third is installation of a particle trap on the front engine. The City Staff has anticipated this program and budgeted \$64,000 in the Sewer Enterprise Fund to cover these expenditures.

The sewer vactor truck is used to clean and maintain the sewer collection and storm drain systems.

Attached is the proposed replacement equipment requested with specifications and cost of repowering (retrofitting). In addition, The City's Lead Mechanic has provided his recommendation regarding this retrofit project. Multiple bids were solicited and evaluated as part of staff's recommendation.

Alternatives Available to Council; Implications of Alternatives

1. Authorize the purchase of the replacement equipment.
2. Take no action.

Fiscal Impact

Funding for this purchase is reflected in the 2008-2009 Sewer Fund #11 under Capital Projects, Vactor Truck Repower with an original budget of \$64,000. The actual costs for all of the necessary work will not exceed \$50,000.

Budget Reference

2008-09 Approved Operating Budget, Sewer Enterprise Fund #11 –Capital Expenditure (Vactor Truck Repower) Pages 60-61.

Attachments:

March 13, 2009 Memo from Curtis Simpson, Lead Mechanic
Resolution for Purchase and Compliance Schedule



Memorandum

City of Auburn
Public Works Department

To: Bernie Schroeder
From: Curtis Simpson
Date: 3/13/09
Subject: # SEW-4 Diesel smog retrofit program

As directed by Andy Heath I've bundled this cover sheet with several current bids that will explain along, with giving costs, the necessity of finishing the last two steps of the retrofit process on our 1997 sewer Vactor (SEW-4). When finished the truck will be in compliance with all the new diesel emission regulations and can be used after December 31 2009. According to the rules in place today this unit will be in compliance for the foreseeable future.

The current permit for the existing auxiliary diesel engine on this truck expires on December 31 2009 and to reregister it requires us to upgrade to a tier 3 engine.

In order for the City of Auburn to stay on schedule in our efforts to comply with the mandate state wide diesel particulate emissions standards we must retrofit the newly installed propulsion engine with a particle trap similar to the one we installed on P.W. 40 (1993 GMC dump truck).

I've included two bids from Sacramento firms that furnish parts and do installations on the particle traps. I think it wise to have Cummins West install the Cleire Air Vista particle trap because they installed the replacement propulsion engine. This would avoid any possible warranty conflict and the quote was slightly cheaper than the one from A to Z Bus.

Also included are two bids for the replacement auxiliary engine. I propose that we go with Valley Powers proposal. The current engine on SEW-4 is a Perkins diesel which has preformed well. My experience with Perkins diesels in the past has been good. So I have no reservations about going with their lower bid.

Curtis Simpson Lead Mechanic.



855 Stillwater Road
West Sacramento, Ca. 95691
Phone (916) 372-5078
Fax (916) 372-2721

City of Auburn, Public Works Account # 004690
Attn: Curt Simpson

DATE: 2/20/2009

[illegible]

If approved, please sign & return fax. Thank you.

Cummins West, Inc		Date: 0-0-2009	
875 Riverside Parkway West Sacramento, CA 95605		916.371.0630(main) 916.371.2849(fax)	
Robert Bumgardner		510-715-8911(cell)	
Customer name:		Customer bill to:	
City Of Auburn 11500 Blocker Dr. Auburn CA 95603		Same	
Customer P.O.		Model year/make	
Contact: Curtis Simpson		Model/body/tractor	
Tel: 530-823-4206		Vehicle ID number ("VIN")	
Fax:		Engine Mfr/Model	
Project description:		Engine serial number/year	
Purchase of Cleaire "Vista" emission Control		License number	
Device, installation parts kit and installation labor to install.		Fleet ID number	
####		Add'l Information:	
Will need to view units to verify labor hours..		EPA Family #	

Line	Qty	UOM	Item description	Unit Price	Labor	Extended Price - Parts	Total Line Item
1	1.00	each	Cleaire "Vista" Emission Control	14,950.00		14,950.00	\$ 14,950.00
2			Device				
3	1.00	each	Vista installation parts kit	600.00		600.00	600.00
4	24.00	hours	Installation labor	119.00	2,856.00		2,856.00
5			Cleaire "Vista" Emission Control				
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PARTICLE TRAP
for front engine

Total parts:	\$ 15,550.00
Total labor:	\$ 2,856.00
Total transportation:	\$
Subtotal:	\$ 18,406.00
Sales tax: 7.75%	\$ 1,205.13
Grand total:	\$ 19,611.13
Customer acceptance:	

A-Z BUS SALES, Emissions Solutions Group

3418 52nd Ave

Sacramento, Ca. 95823

Requested From: Kirk/Curtis Simpson Date: 10/16/2008 Phone: 530-823-4206 Fax: 530-823-4280		Quotation From: Chris W. Dutton Date: 10/16/2008 Phone: 916-399-2911 Fax: 916-399-2661 Email: cdutton@a-zbus.com	
Customer Information -			
Name: City of Auburn		Address: 11500 Blocker Dr Auburn CA 95603	
Cell #: _____		e-mail: csimpson@auburn.ca.gov	
Vehicle Information -			
Body: _____		Chassis: _____	
Engine: _____		Transmission: _____	
Suspension: _____		Other: _____	
1997 Ford			
Cummins 8.3			
1	Huss	\$17,261.00	\$3,500.00
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
Sub-totals		\$17,261.00	\$3,500.00
			\$20,761.00
Placer County			Freight \$ 50.00
			Tax \$ 1,251.42
			Grand total \$ 22,062.42

*All quotations good for 90 days.

*particle
Trap - Front
engine*
2nd Bid

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RESOLUTION NO. 09-
DISEL SMOG RETROFIT – SEWER SYSTEM MAINTENANCE EQUIPMENT

THE CITY COUNCIL OF THE CITY OF AUBURN DOES HEREBY RESOLVE:

That the City Council of the City of Auburn does hereby authorize the purchase of a replacement front and rear auxiliary engines and particle trap for the 1997 sewer vacuor equipment.

DATED: March 23, 2009

J. M. Mike Holmes, Mayor

ATTEST:

Joseph G. R. Labrie, City Clerk

I, Joseph G. R. Labrie, City Clerk of the City of Auburn, hereby certify that the foregoing resolution was duly passed at a regular meeting of the City Council of the City of Auburn held on the 23th day of March 2009 by the following vote on roll call:

Ayes:
Noes:
Absent:

Joseph G. R. Labrie, City Clerk

COMPLIANCE SCHEDULE

City of Auburn

California Code of Regulations
Title 13, Section 2022.1(f)

